

Title (en)

Resolver and resolver-rolling bearing unit

Title (de)

Drehgeber und Drehgeber-Kugellagereinheit

Title (fr)

Résolveur et unité de roulement à rouleaux de résolveur

Publication

EP 2487377 A3 20131009 (EN)

Application

EP 12155075 A 20120213

Priority

- JP 2011028935 A 20110214
- JP 2011225738 A 20111013

Abstract (en)

[origin: EP2487377A2] A resolver (10) includes: a resolver rotor (13) attached to a rotational shaft (11); an annular resolver stator (12) that is provided on a radially outer side of the resolver rotor (13) and that has a plurality of teeth each opposed, across a clearance, to an outer peripheral face of the resolver rotor (13) and circumferentially arranged at given intervals; and a case member (15) having a cylindrical fit portion (25) to which an outer peripheral face of the resolver stator (12) is fitted. At least three protrusions (53), each protruding radially outward, are formed at given circumferential intervals on the outer peripheral face of the resolver stator (12), so that the outer peripheral face of the resolver stator (12) is press-fitted to an inner peripheral face of the fit portion at positions at which the protrusions (53) are formed.

IPC 8 full level

F16C 35/077 (2006.01); **F16C 41/00** (2006.01); **G01B 7/30** (2006.01)

CPC (source: EP US)

F16C 35/045 (2013.01 - EP US); **F16C 41/007** (2013.01 - EP US); **F16C 19/06** (2013.01 - EP US); **F16C 35/077** (2013.01 - EP US)

Citation (search report)

- [A] US 2008024021 A1 20080131 - TSUKASHIMA HIROYUKI [JP], et al
- [AD] JP 2006090511 A 20060406 - JTEKT CORP
- [A] US 6979001 B2 20051227 - OHTSUKI HISASHI [JP], et al

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DE102013020985A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2487377 A2 20120815; **EP 2487377 A3 20131009**; **EP 2487377 B1 20150121**; CN 102637515 A 20120815; CN 102637515 B 20180316; JP 2012186988 A 20120927; JP 5870607 B2 20160301; US 2012206131 A1 20120816; US 8664949 B2 20140304

DOCDB simple family (application)

EP 12155075 A 20120213; CN 201210030562 A 20120210; JP 2011225738 A 20111013; US 201213357064 A 20120124